

FIG. 1a

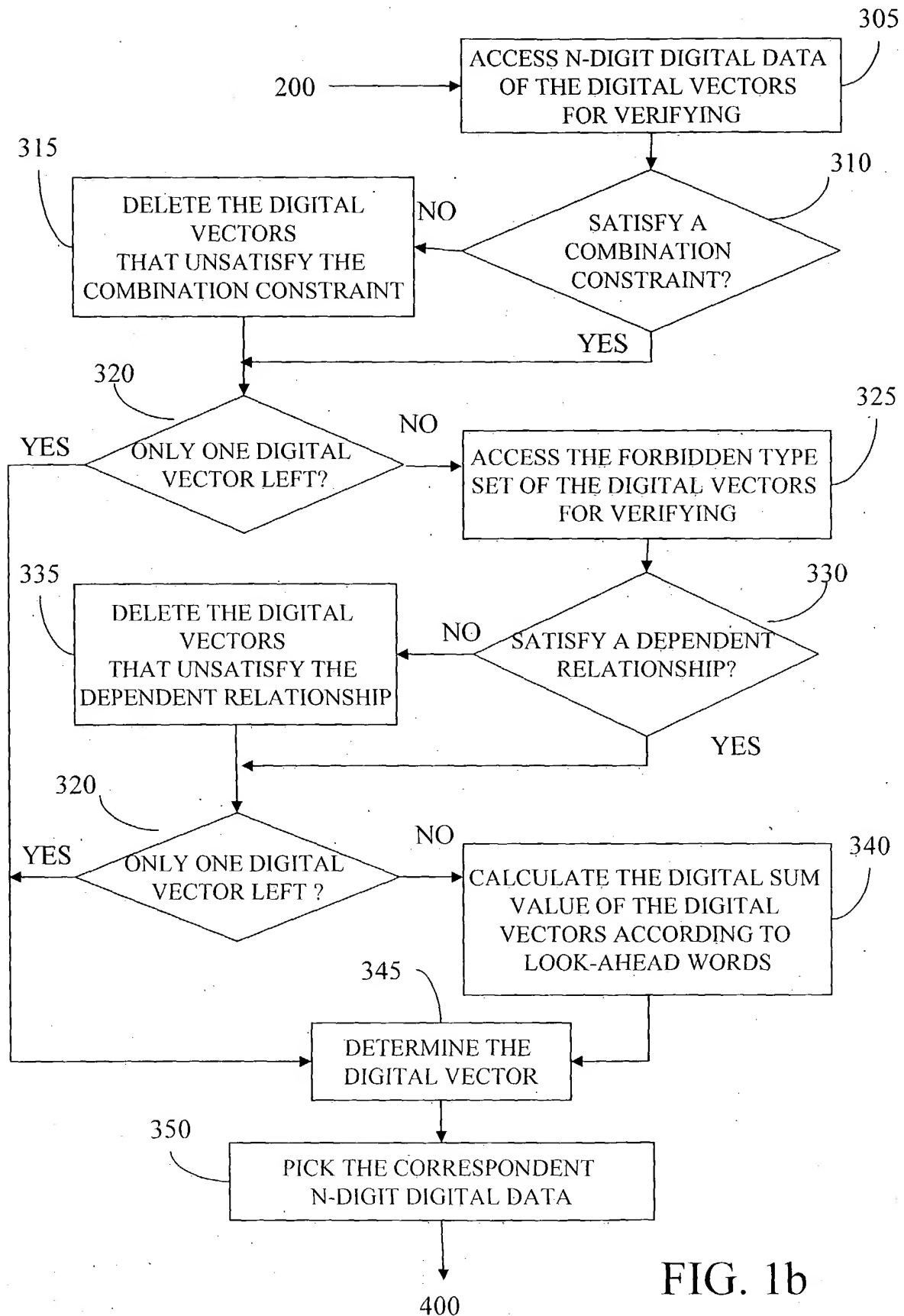


FIG. 1b

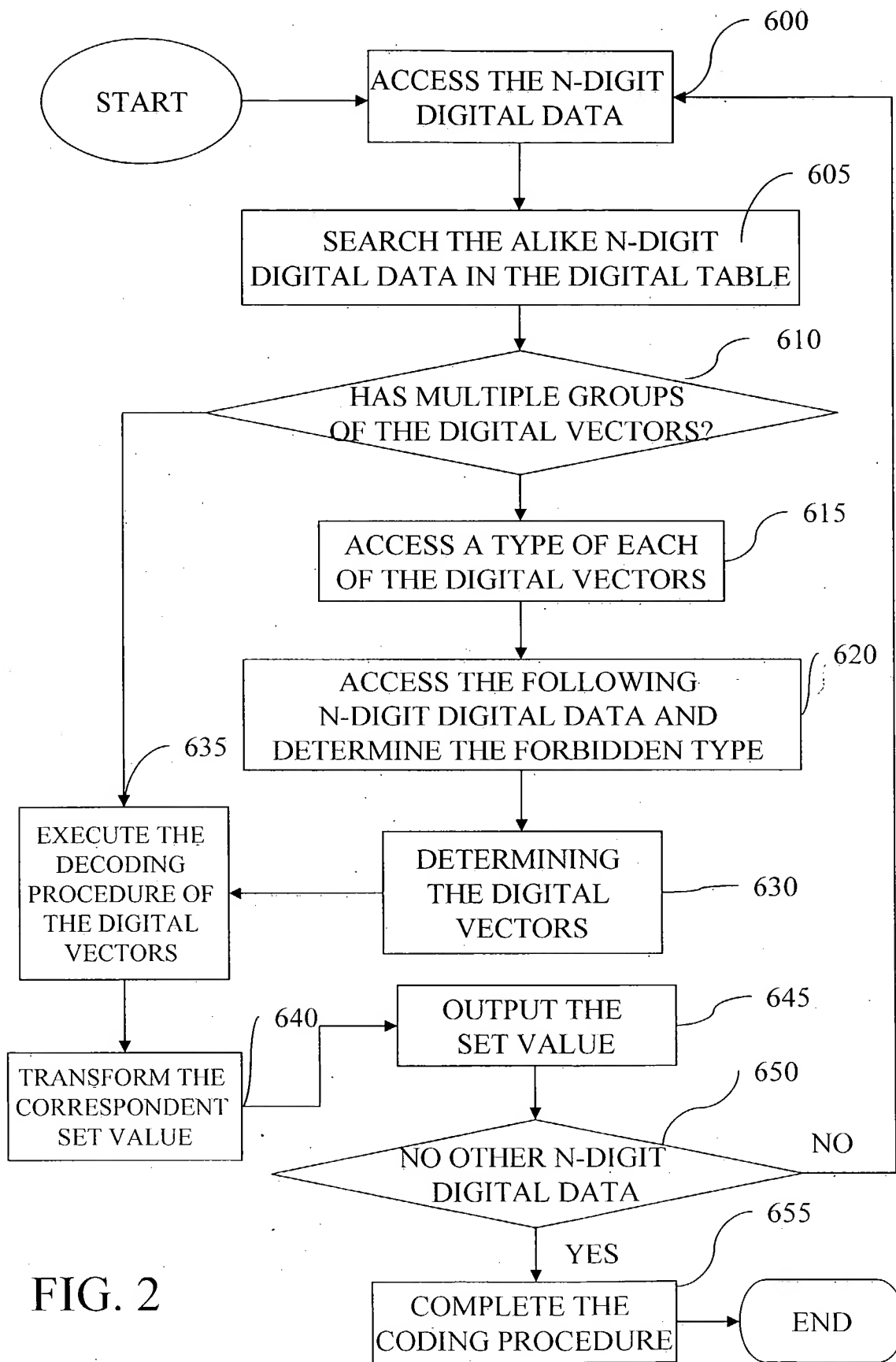


FIG. 2

$S_0 = \{ [0010000000000001, A, \{C\}], [0100010000000000, A, \{B\}] \}$
 $S_1 = \{ [0010010000000001, A, \{C\}], [010000000000100, C, \{B\}] \}$
 $S_2 = \{ [001000000000010, A, \{C\}], [010010000000001, A, \{B\}] \}$
 $S_3 = \{ [0010001000000001, A, \{C\}], [010000001001001, A, \{B\}] \}$
 $S_4 = \{ [001001000000010, A, \{C\}], [010000010010001, A, \{B\}] \}$
 $S_5 = \{ [001000000000100, B, \{C\}], [010001000000001, A, \{B\}] \}$
 $S_6 = \{ [001000000000100, C, \{C\}], [010010000000010, A, \{B\}] \}$
 $S_7 = \{ [001000001001001, A, \{C\}], [010000100000001, A, \{B\}] \}$
 $S_8 = \{ [001000010000001, A, \{C\}], [010000010001001, A, \{B\}] \}$
 $S_9 = \{ [001000010010001, A, \{C\}], [010001000000010, A, \{B\}] \}$
 $S_{10} = \{ [001000100100001, A, \{C\}], [010010000000100, B, \{B\}] \}$
 $S_{11} = \{ [001001001000001, A, \{C\}], [010010000000100, C, \{B\}] \}$
 $S_{12} = \{ [001000100000010, A, \{C\}], [010000100010001, A, \{B\}] \}$
 $S_{13} = \{ [001001000000100, B, \{C\}], [010001000100001, A, \{B\}] \}$
 $S_{14} = \{ [001000000001000, B, \{C\}], [010001000100100, C, \{B\}] \}$
 $S_{15} = \{ [001001000000100, C, \{C\}], [010010001000001, A, \{B\}] \}$
 $S_{16} = \{ [001000000001000, C, \{C\}], [010010001000100, C, \{B\}] \}$
 $S_{17} = \{ [001000001000001, A, \{C\}], [010010000100001, A, \{B\}] \}$
 $S_{18} = \{ [001000010001001, A, \{C\}], [010000010000001, A, \{B\}] \}$
 $S_{19} = \{ [001000100010001, A, \{C\}], [010010001001001, A, \{B\}] \}$
 $S_{20} = \{ [001001000100001, A, \{C\}], [010010010010001, A, \{B\}] \}$
 $S_{21} = \{ [001001001001001, A, \{C\}], [010000100010010, A, \{B\}] \}$
 $S_{22} = \{ [001000010000010, A, \{C\}], [010001000100010, A, \{B\}] \}$
 $S_{23} = \{ [001000010010010, A, \{C\}], [010000100000010, A, \{B\}] \}$
 $S_{24} = \{ [001000100100010, A, \{C\}], [010001000000100, B, \{B\}] \}$
 $S_{25} = \{ [001001001000010, A, \{C\}], [010010000001000, B, \{B\}] \}$
 $S_{26} = \{ [001000100000100, B, \{C\}], [010010001000010, A, \{B\}] \}$
 $S_{27} = \{ [001001000001000, B, \{C\}], [010000100100100, B, \{B\}] \}$
 $S_{28} = \{ [001000000010000, B, \{C\}], [010001000000100, C, \{B\}] \}$
 $S_{29} = \{ [001000100000100, C, \{C\}], [010001001000100, B, \{B\}] \}$

FIG. 3a

S30 = { [001001000001000,C,{C}] , [010010010000100,B,{B}] }
 S31 = { [001000000010000,C,{C}] , [010010000001000,C,{B}] }
 S32 = { [001000000100001,A,{C}] , [010010000010001,A,{B}] }
 S33 = { [001000100001001,A,{C}] , [010001001001001,A,{B}] }
 S34 = { [001001000010001,A,{C}] , [010010010001001,A,{B}] }
 S35 = { [001000001000010,A,{C}] , [010001000010010,A,{B}] }
 S36 = { [001000100010010,A,{C}] , [010000010000010,A,{B}] }
 S37 = { [001001000100010,A,{C}] , [010010010010010,A,{B}] }
 S38 = { [001000010000100,B,{C}] , [010010000100010,A,{B}] }
 S39 = { [001000100100100,B,{C}] , [010000100000100,B,{B}] }
 S40 = { [001001001000100,B,{C}] , [010001000001000,B,{B}] }
 S41 = { [001000100001000,B,{C}] , [010001000100100,B,{B}] }
 S42 = { [001001000010000,B,{C}] , [010010001000100,B,{B}] }
 S43 = { [001000000100000,B,{C}] , [010010000010000,B,{B}] }
 S44 = { [001000010000100,C,{C}] , [010001001001000,B,{B}] }
 S45 = { [001000100100100,C,{C}] , [010000100000100,C,{B}] }
 S46 = { [001001001000100,C,{C}] , [010001000001000,C,{B}] }
 S47 = { [001000100001000,C,{C}] , [010010010001000,B,{B}] }
 S48 = { [001001000010000,C,{C}] , [010000001000000,B,{B}] }
 S49 = { [001000000100000,C,{C}] , [010010000010000,C,{B}] }
 S50 = { [00100000010001,A,{C}] , [010010000001001,A,{B}] }
 S51 = { [001001000001001,A,{C}] , [010000000100001,A,{B}] }
 S52 = { [001000000100010,A,{C}] , [010010000010010,A,{B}] }
 S53 = { [001001000010010,A,{C}] , [010000001000010,A,{B}] }
 S54 = { [001000001000100,B,{C}] , [010010000100100,B,{B}] }
 S55 = { [001001000100100,B,{C}] , [010000010000100,B,{B}] }
 S56 = { [001000010001000,B,{C}] , [010010001001000,B,{B}] }
 S57 = { [001001001001000,B,{C}] , [010000100001000,B,{B}] }
 S58 = { [001000100010000,B,{C}] , [010010010010000,B,{B}] }
 S59 = { [001001000100000,B,{C}] , [010000010000000,A,{B}] }
 S60 = { [001000001000000,B,{C}] , [010001000010000,B,{B}] }
 S61 = { [001000001000100,C,{C}] , [010010000100100,C,{B}] }

FIG. 3b

S62 = { [001001000100100,C,{C}] , [010010000100000,B,{B}] }
S63 = { [001000010001000,C,{C}] , [010010001001000,C,{B}] }
S64 = { [001001001001000,C,{C}] , [010000010000100,C,{B}] }
S65 = { [001000100010000,C,{C}] , [010010010010000,C,{B}] }
S66 = { [001001000100000,C,{C}] , [010001001001000,C,{B}] }
S67 = { [001000001000000,C,{C}] , [010000100001000,C,{B}] }
S68 = { [001000000001001,A,{C}] , [010000100000000,A,{B}] }
S69 = { [001000000010010,A,{C}] , [010010010001000,C,{B}] }
S70 = { [001000000100100,B,{C}] , [010000001000000,C,{B}] }
S71 = { [001000001001000,B,{C}] , [010001001000010,A,{B}] }
S72 = { [001000010010000,B,{C}] , [010010010000010,A,{B}] }
S73 = { [001000100100000,B,{C}] , [010000000010000,B,{B}] }
S74 = { [001001001000000,B,{C}] , [010000000010000,C,{B}] }
S75 = { [001000010000000,A,{C}] , [010000000010001,A,{B}] }
S76 = { [001000000100100,C,{C}] , [010000000100000,B,{B}] }
S77 = { [001000001001000,C,{C}] , [010000100100100,C,{B}] }
S78 = { [001000010010000,C,{C}] , [010001001000100,C,{B}] }
S79 = { [001000100100000,C,{C}] , [010010010000100,C,{B}] }
S80 = { [001001001000000,C,{C}] , [010000000100000,C,{B}] }
S81 = { [001000100000000,A,{C}] , [010000000001001,A,{B}] }
S82 = { [001001000000000,A,{C}] , [010010001000000,C,{B}] }
S83 = { [000100000000001,A,{B}] , [100100000000001,A,{C}] }
S84 = { [000100100000001,A,{B}] , [100010010000001,A,{C}] }
S85 = { [000100010000001,A,{B}] , [100100010000001,A,{C}] }
S86 = { [000100000000010,A,{B}] , [100010000000001,A,{C}] }
S87 = { [000100100000010,A,{B}] , [100000010010010,A,{C}] }
S88 = { [000100001000001,A,{B}] , [100010000100001,A,{C}] }
S89 = { [000100010000010,A,{B}] , [100100001000001,A,{C}] }
S90 = { [0001000000000100,B,{B}] , [100001000000001,A,{C}] }
S91 = { [0001001000000100,B,{B}] , [100000100010010,A,{C}] }
S92 = { [0001000000000100,C,{B}] , [100010000000010,A,{C}] }
S93 = { [0001001000000100,C,{B}] , [100001000100010,A,{C}] }

FIG. 3c

S94 = { [000100000100001,A,{B}] , [100100000100001,A,{C}] }
 S95 = { [000100001001001,A,{B}] , [100000100000001,A,{C}] }
 S96 = { [000100010010001,A,{B}] , [100100001001001,A,{C}] }
 S97 = { [000100100100001,A,{B}] , [100100010010001,A,{C}] }
 S98 = { [000100001000010,A,{B}] , [100001000010010,A,{C}] }
 S99 = { [000100010000100,B,{B}] , [100010000100010,A,{C}] }
 S100 = { [000100000001000,B,{B}] , [100100100100001,A,{C}] }
 S101 = { [000100100001000,B,{B}] , [100100001000010,A,{C}] }
 S102 = { [000100010000100,C,{B}] , [100001000100100,B,{C}] }
 S103 = { [000100000001000,C,{B}] , [100001000000010,A,{C}] }
 S104 = { [000100100001000,C,{B}] , [100010001000100,B,{C}] }
 S105 = { [0001000000010001,A,{B}] , [1001000000010001,A,{C}] }
 S106 = { [000100010001001,A,{B}] , [100010001001001,A,{C}] }
 S107 = { [000100100010001,A,{B}] , [100010010010001,A,{C}] }
 S108 = { [0001000000100010,A,{B}] , [1000100000010010,A,{C}] }
 S109 = { [000100010010010,A,{B}] , [100100010001001,A,{C}] }
 S110 = { [000100100100010,A,{B}] , [100100100010001,A,{C}] }
 S111 = { [0001000001000100,B,{B}] , [1001000000100010,A,{C}] }
 S112 = { [000100010001000,B,{B}] , [1000100000100100,B,{C}] }
 S113 = { [0001000000010000,B,{B}] , [100000100000010,A,{C}] }
 S114 = { [000100100010000,B,{B}] , [1001000001000100,B,{C}] }
 S115 = { [0001000001000100,C,{B}] , [100010001001000,B,{C}] }
 S116 = { [000100010001000,C,{B}] , [100100010001000,B,{C}] }
 S117 = { [0001000000010000,C,{B}] , [100100010010010,A,{C}] }
 S118 = { [000100100010000,C,{B}] , [100010010010000,B,{C}] }
 S119 = { [0001000000001001,A,{B}] , [1001000000001001,A,{C}] }
 S120 = { [0001001000001001,A,{B}] , [1000100100001001,A,{C}] }
 S121 = { [0001000000010010,A,{B}] , [1001000000010010,A,{C}] }
 S122 = { [000100100010010,A,{B}] , [1001001000001001,A,{C}] }
 S123 = { [0001000000100100,B,{B}] , [1001000000100100,B,{C}] }
 S124 = { [000100100100100,B,{B}] , [100000010000010,A,{C}] }
 S125 = { [0001000001001000,B,{B}] , [1001000001001000,B,{C}] }

FIG. 3d

S126 = { [000100010010000,B,{B}] , [100100010010000,B,{C}] }
 S127 = { [000100000100000,B,{B}] , [100010010010010,A,{C}] }
 S128 = { [000100100100000,B,{B}] , [100100100100000,B,{C}] }
 S129 = { [000100000100100,C,{B}] , [100000100000000,A,{C}] }
 S130 = { [000100100100100,C,{B}] , [100100100010010,A,{C}] }
 S131 = { [000100001001000,C,{B}] , [100100000100100,C,{C}] }
 S132 = { [000100010010000,C,{B}] , [100100001001000,C,{C}] }
 S133 = { [000100000100000,C,{B}] , [100000100000100,B,{C}] }
 S134 = { [000100100100000,C,{B}] , [100100010010000,C,{C}] }
 S135 = { [000100001000000,B,{B}] , [100001000010000,B,{C}] }
 S136 = { [000100001000000,C,{B}] , [100010000100000,B,{C}] }
 S137 = { [000100010000000,A,{B}] , [100010001000000,B,{C}] }
 S138 = { [000100100000000,A,{B}] , [100000010010000,B,{C}] }
 S139 = { [000100000000000,A,{B}] , [100100000000000,A,{C}] }
 S140 = { [000010010000001,A,{B}] , [100100100000001,A,{C}] }
 S141 = { [000010000000001,A,{B}] , [100100000000010,A,{C}] }
 S142 = { [000010001000001,A,{B}] , [100000100100010,A,{C}] }
 S143 = { [000010010000010,A,{B}] , [100001001000010,A,{C}] }
 S144 = { [000010000100001,A,{B}] , [100010001000010,A,{C}] }
 S145 = { [000010000000010,A,{B}] , [100100000000100,B,{C}] }
 S146 = { [000010001000010,A,{B}] , [100100010000010,A,{C}] }
 S147 = { [000010010000100,B,{B}] , [100000100100100,B,{C}] }
 S148 = { [000010010000100,C,{B}] , [100001001000100,B,{C}] }
 S149 = { [000010000010001,A,{B}] , [100100010000100,B,{C}] }
 S150 = { [000010000100010,A,{B}] , [100001001001000,B,{C}] }
 S151 = { [0000100000000100,B,{B}] , [100010000000100,B,{C}] }
 S152 = { [000010001000100,B,{B}] , [100010010001000,B,{C}] }
 S153 = { [000010010001000,B,{B}] , [100100100001000,B,{C}] }
 S154 = { [0000100000000100,C,{B}] , [100100000001000,B,{C}] }
 S155 = { [000010001000100,C,{B}] , [100000001000000,B,{C}] }
 S156 = { [000010010001000,C,{B}] , [100001000100100,C,{C}] }
 S157 = { [0000100000001001,A,{B}] , [100100100010000,B,{C}] }

FIG. 3e

S158 = { [000010001001001,A,{B}] , [100100100100010,A,{C}] }
 S159 = { [000010010010001,A,{B}] , [100001000000100,B,{C}] }
 S160 = { [000010000010010,A,{B}] , [100000010000000,A,{C}] }
 S161 = { [000010000100100,B,{B}] , [100010000100100,C,{C}] }
 S162 = { [000010000001000,B,{B}] , [100010000001000,B,{C}] }
 S163 = { [000010001001000,B,{B}] , [100100001000100,C,{C}] }
 S164 = { [000010010010000,B,{B}] , [100010001001000,C,{C}] }
 S165 = { [000010000100100,C,{B}] , [100100010001000,C,{C}] }
 S166 = { [000010000001000,C,{B}] , [100100000010000,B,{C}] }
 S167 = { [000010001001000,C,{B}] , [100010010010000,C,{C}] }
 S168 = { [000010010010000,C,{B}] , [100100100010000,C,{C}] }
 S169 = { [000010010001001,A,{B}] , [100100100100100,B,{C}] }
 S170 = { [000010010010010,A,{B}] , [100001000001000,B,{C}] }
 S171 = { [000010000010000,B,{B}] , [100010000010000,B,{C}] }
 S172 = { [000010000010000,C,{B}] , [100100000100000,B,{C}] }
 S173 = { [000010000100000,B,{B}] , [100100001000000,B,{C}] }
 S174 = { [000010000100000,C,{B}] , [100000010000100,C,{C}] }
 S175 = { [000010001000000,B,{B}] , [100100010000000,A,{C}] }
 S176 = { [000010000000000,A,{B}] , [100010000000000,A,{C}] }
 S177 = { [000010001000000,C,{B}] , [100000001000100,C,{C}] }
 S178 = { [000010010000000,A,{B}] , [100000100100000,B,{C}] }
 S179 = { [000001001000001,A,{B}] , [100000000001000,B,{C}] }
 S180 = { [000001000100001,A,{B}] , [100010010000010,A,{C}] }
 S181 = { [000001001000010,A,{B}] , [100100100000010,A,{C}] }
 S182 = { [000001000000001,A,{B}] , [100100000000100,C,{C}] }
 S183 = { [000001000010001,A,{B}] , [100010010000100,B,{C}] }
 S184 = { [000001000100010,A,{B}] , [100100100000100,B,{C}] }
 S185 = { [000001001000100,B,{B}] , [100000000100000,B,{C}] }
 S186 = { [000001001000100,C,{B}] , [100000100100100,C,{C}] }
 S187 = { [000001000001001,A,{B}] , [100010001000100,C,{C}] }
 S188 = { [000001000000010,A,{B}] , [100010000000100,C,{C}] }
 S189 = { [000001000010010,A,{B}] , [100100010000100,C,{C}] }

FIG. 3f

S190 = { [000001000100100,B,{B}] , [100001001001000,C,{C}] }
 S191 = { [000001001001000,B,{B}] , [100010010001000,C,{C}] }
 S192 = { [000001000100100,C,{B}] , [100100100001000,C,{C}] }
 S193 = { [000001001001000,C,{B}] , [100000001000000,C,{C}] }
 S194 = { [000001000000100,B,{B}] , [100001000000100,C,{C}] }
 S195 = { [000001000000100,C,{B}] , [100010000001000,C,{C}] }
 S196 = { [000001001001001,A,{B}] , [100000100000100,C,{C}] }
 S197 = { [000001000001000,B,{B}] , [100100100100100,C,{C}] }
 S198 = { [000001000001000,C,{B}] , [100001000001000,C,{C}] }
 S199 = { [000001000010000,B,{B}] , [100000100001000,C,{C}] }
 S200 = { [000001000000000,A,{B}] , [100001000000000,A,{C}] }
 S201 = { [000001000010000,C,{B}] , [100001000010000,C,{C}] }
 S202 = { [000001000100000,B,{B}] , [100000010001000,C,{C}] }
 S203 = { [000001000100000,C,{B}] , [100000100010000,C,{C}] }
 S204 = { [000001001000000,B,{B}] , [100001001000000,B,{C}] }
 S205 = { [000001001000000,C,{B}] , [100010010000000,A,{C}] }
 S206 = { [000000100100001,A,{B}] , [100000000001000,C,{C}] }
 S207 = { [000000100010001,A,{B}] , [100000000010000,B,{C}] }
 S208 = { [000000100100010,A,{B}] , [100000000010000,C,{C}] }
 S209 = { [000000100001001,A,{B}] , [100001001000100,C,{C}] }
 S210 = { [000000100010010,A,{B}] , [100010010000100,C,{C}] }
 S211 = { [000000100100100,B,{B}] , [100100100000100,C,{C}] }
 S212 = { [000000100100100,C,{B}] , [100000000010000,C,{C}] }
 S213 = { [000000100000001,A,{B}] , [100100000001000,C,{C}] }
 S214 = { [000000100000010,A,{B}] , [100100000010000,C,{C}] }
 S215 = { [000000100000100,B,{B}] , [100010000010000,C,{C}] }
 S216 = { [000000100000000,A,{B}] , [100100100100000,C,{C}] }
 S217 = { [000000100000100,C,{B}] , [100100000100000,C,{C}] }
 S218 = { [000000100001000,B,{B}] , [100010000100000,C,{C}] }
 S219 = { [000000100001000,C,{B}] , [100100001000000,C,{C}] }
 S220 = { [000000100010000,B,{B}] , [100001000100000,C,{C}] }
 S221 = { [000000100010000,C,{B}] , [100010001000000,C,{C}] }

FIG. 3g

S222 = { [000000100100000,B,{B}], [100100100000000,A,{C}] }
 S223 = { [000000100100000,C,{B}], [100000000100100,C,{C}] }
 S224 = { [000000000000100,B,{B}], [100000000000100,B,{C}], [010001000100000,B,{B}] }
 S225 = { [000000000000100,C,{B}], [100000000000100,C,{C}], [010010001000000,B,{B}] }
 S226 = { [000000010010001,A,{B}], [100000001001001,A,{C}], [010000000000100,B,{B}] }
 S227 = { [000000001001001,A,{B}], [100000010010001,A,{C}], [010000000001000,C,{B}] }
 S228 = { [000000000001000,B,{B}], [100000100100001,A,{C}], [010000000010010,A,{B}] }
 S229 = { [000000000001000,C,{B}], [100001001000001,A,{C}], [010000000100100,B,{B}] }
 S230 = { [000000010001001,A,{B}], [100000010001001,A,{C}], [010000100100001,A,{B}] }
 S231 = { [000000010010010,A,{B}], [100000100010001,A,{C}], [010001001000001,A,{B}] }
 S232 = { [0000000000010000,B,{B}], [100001000100001,A,{C}], [010010010000001,A,{B}] }
 S233 = { [0000000000010000,C,{B}], [100010001000001,A,{C}], [010000000001000,B,{B}] }
 S234 = { [0000000000100000,B,{B}], [100000100001001,A,{C}], [010000010010010,A,{B}] }
 S235 = { [0000000000100000,C,{B}], [100001000010001,A,{C}], [010000100100010,A,{B}] }
 S236 = { [000000001000000,B,{B}], [100001000001001,A,{C}], [010000100001001,A,{B}] }
 S237 = { [000000001000000,C,{B}], [100010000010001,A,{C}], [010001000010001,A,{B}] }
 S238 = { [0000000010000001,A,{B}], [100000010000001,A,{C}], [010000001000001,A,{B}] }
 S239 = { [0000000010000000,A,{B}], [1000100000001001,A,{C}], [0100010000001001,A,{B}] }
 S240 = { [0000000010000010,A,{B}], [100000001000001,A,{C}], [0100010000010000,C,{B}] }
 S241 = { [000000001000001,A,{B}], [100001001001001,A,{C}], [010010000100000,C,{B}] }
 S242 = { [0000000010000100,B,{B}], [100000000100001,A,{C}], [010000000100010,A,{B}] }
 S243 = { [0000000010000100,C,{B}], [100000001000010,A,{C}], [010000001000100,B,{B}] }
 S244 = { [000000001000010,A,{B}], [100000010000100,B,{C}], [010000010001000,B,{B}] }
 S245 = { [0000000000100001,A,{B}], [100000100001000,B,{C}], [010000100010000,B,{B}] }
 S246 = { [0000000010001000,B,{B}], [100000000010001,A,{C}], [010000001001000,B,{B}] }
 S247 = { [0000000010001000,C,{B}], [100000000100010,A,{C}], [010000010010000,B,{B}] }
 S248 = { [000000001000100,B,{B}], [100000001000100,B,{C}], [010000100100000,B,{B}] }
 S249 = { [000000001000100,C,{B}], [100000010001000,B,{C}], [010001001000000,B,{B}] }
 S250 = { [0000000000100010,A,{B}], [100000100010000,B,{C}], [010010010000000,A,{B}] }
 S251 = { [000000000010001,A,{B}], [100001000100000,B,{C}], [010000000100100,C,{B}] }
 S252 = { [0000000010010000,B,{B}], [100000000001001,A,{C}], [010000001000100,C,{B}] }
 S253 = { [0000000010010000,C,{B}], [100000000010010,A,{C}], [010000010001000,C,{B}] }
 S254 = { [000000001001000,B,{B}], [100000000010010,B,{C}], [010000100010000,C,{B}] }
 S255 = { [000000001001000,C,{B}], [100000000100100,B,{C}], [010001000100000,C,{B}] }

FIG. 3h

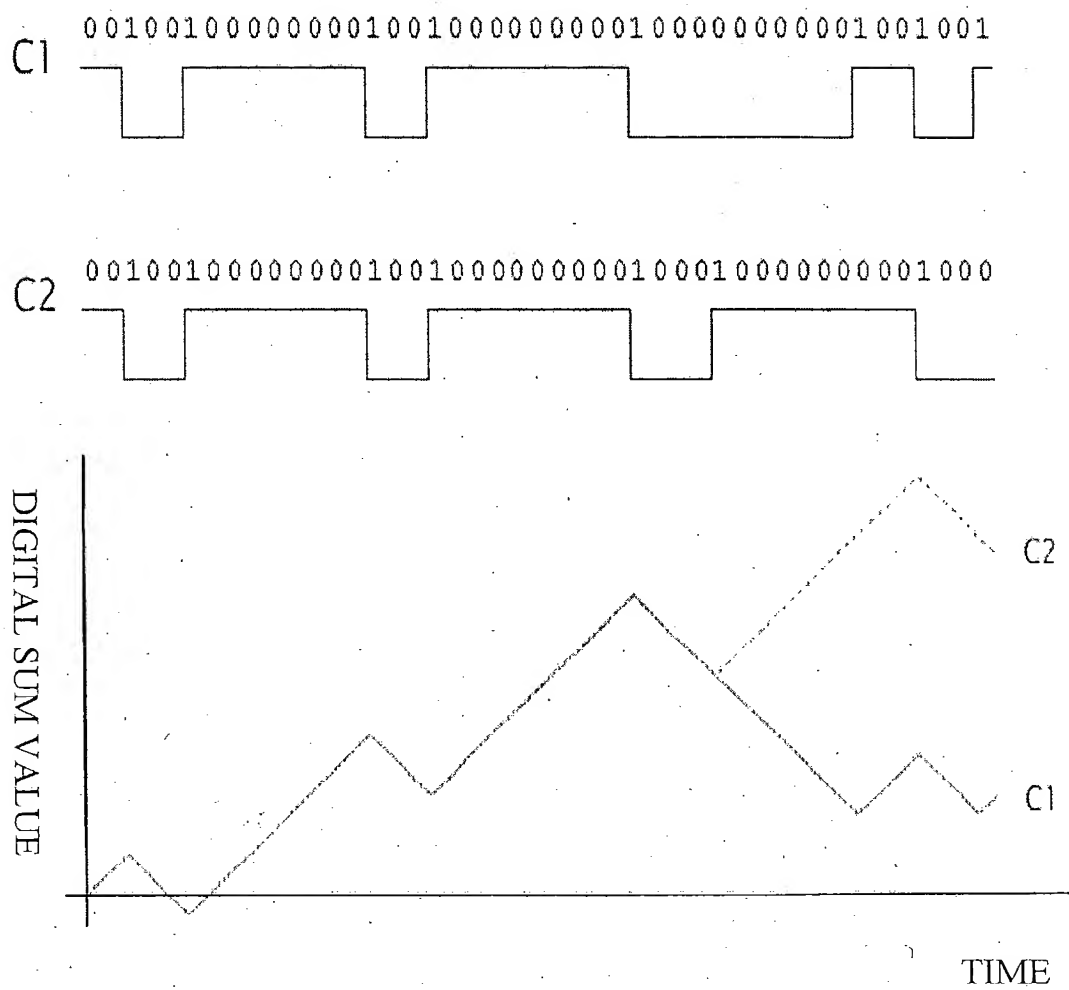


FIG. 4

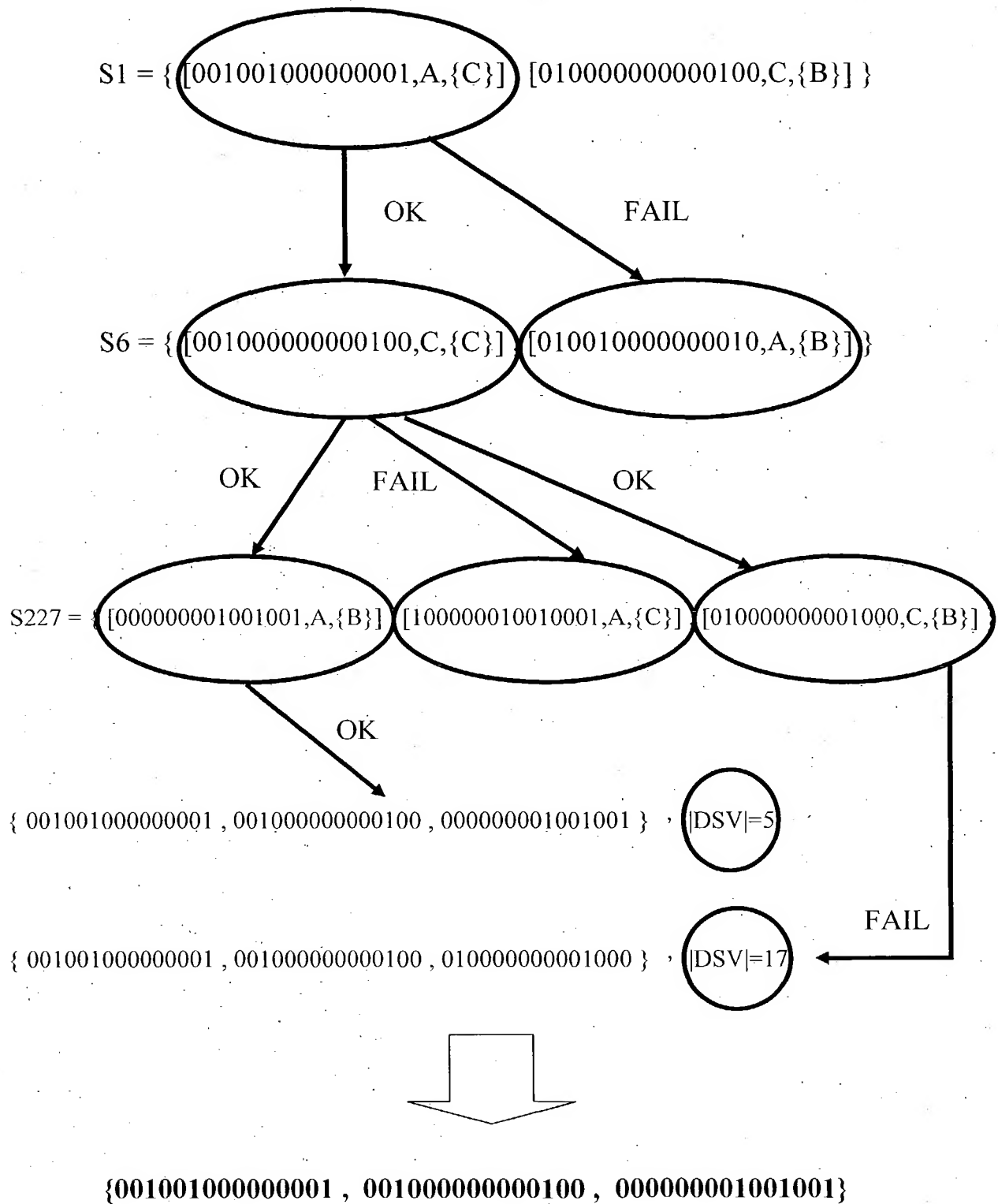


FIG. 5

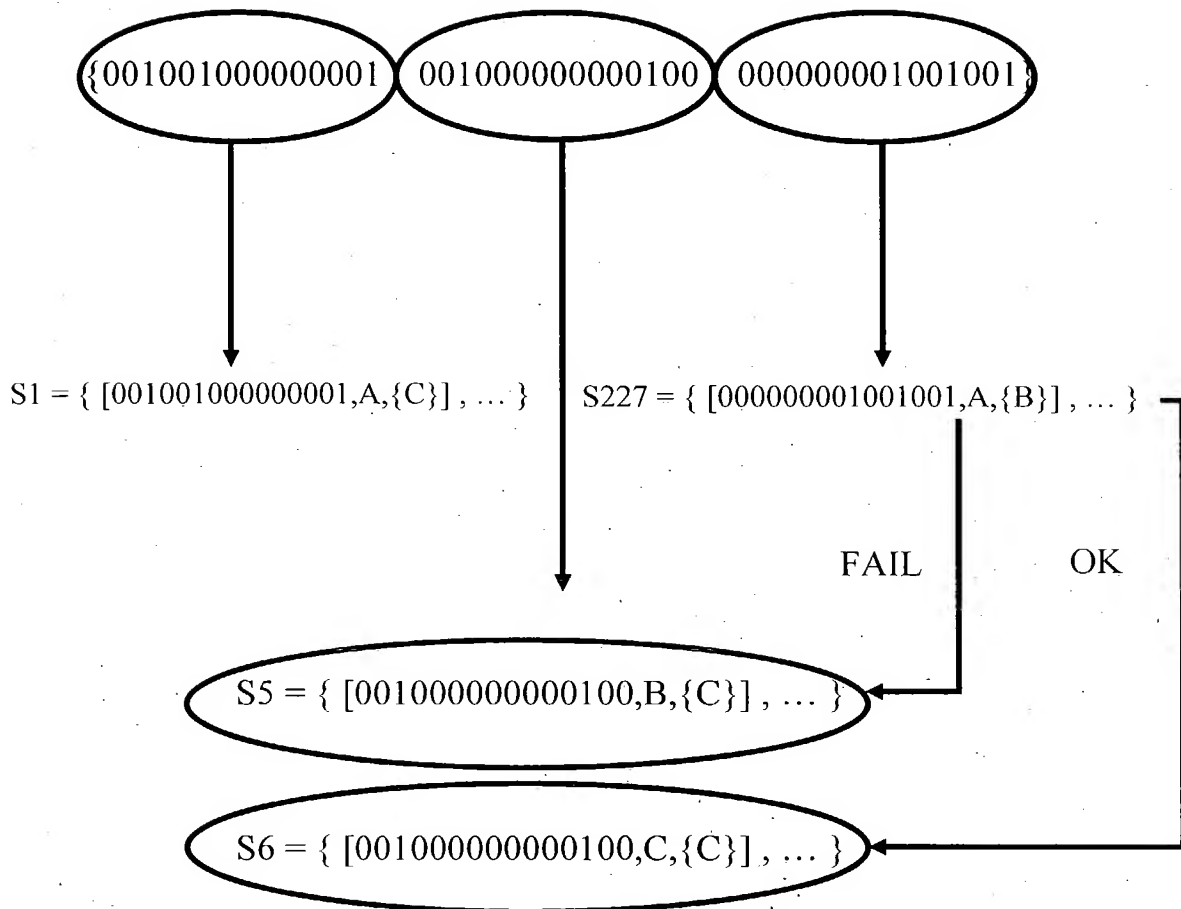


FIG. 6